


**DWPI Abstract**  
([SE199603188A](#))














**Novelty**

The receiver includes a back-coupling coil which controls an oscillator device. The back coupling coil uses a back coupling signal which represents an argument value of the pilot carrier wave. The back coupling signal is obtained from an approximation of an argument for a complex number which represents the pilot carrier wave. The approximation maintains a full resolution of the complex number and the back-coupling coil controls the oscillator device so that the pilot argument tends to approach zero. The back-coupling coil compensates for channel effects. The oscillator device is a voltage controlled crystal oscillator and the multi-carrier wave transmission system is of the discrete multiple tone (MT) type or a MT-based very high bit rate digital subscriber line system.

**Assignee**

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; ISAKSSON LARS-AAKE ; BENGTSSON DANIEL 


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Abstract

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Classes/Indexing

**IPC**

IPC Code(1-7) **H04L**

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Current IPC-R	Invention	Version	Additional	Version
Advanced	<u>H04L 5/06</u>	20060101	-	-
	<u>H04L 27/26</u>	20060101	-	-
Core	<u>H04L 5/02</u>	20060101	-	-
	<u>H04L 27/26</u>	20060101	-	-

Subclass	H04L	20060101	-	-
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## Locarno Class

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Legal Status

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## US Litigation



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Family

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Annotations

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	Publication Number	Publication Date	Inventor	Assignee/Applicant	Title
	<a href="#"><u>SE199603188D0</u></a>	1996-09-02	ISAKSSON MIKAEL	TELIA AB	Improvements in, or relating to, multi-carrier transmission systems
	<a href="#"><u>SE199603188L</u></a>	1997-11-25	ISAKSSON MIKAEL	TELIA AB	Förbättringar av, eller med avseende på, multibärervågssystem
	<a href="#"><u>SE506635C2</u></a>	1998-01-26	ISAKSSON MIKAEL	TELIA AB	Receiver for multiple carrier wave transmission system
	<a href="#"><u>SE199601984D0</u></a>	1996-05-24	ISAKSSON MIKAEL	TELIA AB	Approximate argument calculation from a complex pilot carrier estimate for use as a feedback signal in a DMT receiver phaselocked loop
	<a href="#"><u>SE199603188A</u></a>	1997-11-25	ISAKSSON MIKAEL	TELIA AB	Förbättringar av, eller med avseende på, multibärervågssystem
	<a href="#"><u>US6181714B1</u></a>	2001-01-30	Isaksson Mikael	TELIA AB	Multi-carrier transmission systems
	<a href="#"><u>WO1998010546A2</u></a>	1998-03-12	ISAKSSON Mikael	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<a href="#"><u>WO1998010546A3</u></a>	1998-06-04	ISAKSSON MIKAEL	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<a href="#"><u>AT235765T</u></a>	2003-04-15	ISAKSSON MIKAEL	ST MICROELECTRONICS NV	VERBESSERUNGEN BEI, ODER IN BEZUG AUF MEHRTRÄGERÜBERTRAGUNGSSYSTEME

					STEME
	<u>DE69720225D1</u>	2003-04-30	ISAKSSON MIKAEL	ST MICROELECTRONICS NV	VERBESSERUNGEN BEI, ODER IN BEZUG AUF MEHRTRÄGERÜBERTRAGUNGSSYSTEME
	<u>EP920755B1</u>	2003-03-26	ISAKSSON Mikael	ST MICROELECTRONICS NV	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<u>EP920755A2</u>	1999-06-09	ISAKSSON Mikael	TELIA AB	IMPROVEMENTS IN, OR RELATING TO, MULTI-CARRIER TRANSMISSION SYSTEMS
	<u>JP2001505373T</u>	2001-04-17	-	-	-
	<u>NO199900768A</u>	1999-04-30	ISAKSSON MIKAEL	TELIA AB	Multibærer transmisjonssystem, og mottaker, transceiver og fremgangsmåte for samme
	<u>NO199900768D0</u>	1999-02-19	ISAKSSON MIKAEL	TELIA AB	Multibærer transmisjonssystem, og mottaker, transceiver og fremgangsmåte for samme

#### Claims

No Claims exist for this Record

#### Description

##### Background/ Summary



Collapse Background/Summary

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##### Drawing Description



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##### Description



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Citations

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Other

**Parent Case**



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